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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,031 12/14/2004		Lee D Miller	540-539	5501
23117	7590 09/05/2006		EXAMINER	
	ANDERHYE, PC	KIM, ELLEN E		
901 NORTH C ARLINGTON	GLEBE ROAD, 11TH FLOO '. VA 22203)R	ART UNIT	PAPER NUMBER
	,		2874	
			DATE MAILED: 09/05/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	n No.	Applicant(s)	
Office Action Summary		10/518,03	1	MILLER ET AL.	
		Examiner		Art Unit	
		Ellen Kim		2874	
Period f	The MAILING DATE of this communication a or Reply	appears on the	cover sheet with the c	orrespondence address	
A SH WHIO - Exte after - If NO - Failt Any	HORTENED STATUTORY PERIOD FOR REF CHEVER IS LONGER, FROM THE MAILING ensions of time may be available under the provisions of 37 CFR r SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory periure to reply within the set or extended period for reply will, by state reply received by the Office later than three months after the managed patent term adjustment. See 37 CFR 1.704(b).	DATE OF TH 1.1.136(a). In no ever iod will apply and will atute, cause the appli	IS COMMUNICATION nt, however, may a reply be tim I expire SIX (6) MONTHS from to cation to become ABANDONED	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).	
Status					
· —	,	This action is now	for formal matters, pro		
Disposit	ion of Claims				
5)□ 6)⊠ 7)⊠ 8)□ Applicat 9)□ 10)□	Claim(s) 1-17 is/are pending in the application 4a) Of the above claim(s) is/are withd Claim(s) is/are allowed. Claim(s) 1.2.5,7.9-11,16 and 17 is/are reject Claim(s) 3.4,6,8 and 12-15 is/are objected to Claim(s) are subject to restriction and ion Papers The specification is objected to by the Examination The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the community.	trawn from contacted. do. d/or election rediner. accepted or b)[the drawing(s) betweetion is require	equirement. objected to by the Ended in abeyance. See and if the drawing(s) is objected in the	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
2) 🔲 Notic 3) 🔯 Infor	nt(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/0 er No(s)/Mail Date <u>12/04</u> .	08)	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:		

DETAILED ACTION

This is responsive to Applicant's amendment filed on 7/25/06.

Upon consideration and review of the Applicant's response, all the previous Office action including restriction requirement has been withdrawn and the following rejection has been made. Any inconvenience to Applicant is regretted.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 5, 7, 9, 10, 11, 14, 16, and 17 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Lowry [USPAT 6,418,267].

Lowry discloses an optical device comprising: a plurality of optical fiber arrays 17s [fig. 4B], each optical fiber array having their one ends oriented to receive electromagnetic radiation from free-space [near 19 in fig. 4B] and arranged to transmit the electromagnetic radiation to an array output, and the array outputs are connected to transmit the electromagnetic radiation in sequence to a signal detector input [near 9].

In re claim 2, the optical delay is clearly shown by different length of the optical path in fig. 4B.

Allowable Subject Matter

Claims 3, 4, 6, 8, 12, 13, and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the prior art does not disclose or suggest an electromagnetic signal processing system comprising all the specific components with the specific combination including the array group outputs are connected in series by respective optical delays to the signal detector input as set forth in claim 3; including an array group output of one array group is connected to an input to another array group as set forth in claim 4; and including an optical switch is arranged operatively between the array group outputs and the signal detector input as set forth in claim 6.

Conclusion

In formation regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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For all official patent application related correspondence for organizations reporting to the Commissioner of Patents:

- Correspondence that is transmitted by facsimile must be directed to the central facsimile number, (703) 872-9306.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Further references of interest are cited on Form PLO-892, which is attachment to this office action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ellen Kim whose telephone number is (571) 272-2349. The examiner can normally be reached on Monday through Thursday.

Ellen E. Kim

Primary Examiner

August 30, 2006/EK